

Title (en)  
REHEAT TYPE EXHAUST GAS BOILER

Publication  
**EP 0419696 B1 19921216 (EN)**

Application  
**EP 89117784 A 19890926**

Priority  
JP 18367788 A 19880725

Abstract (en)  
[origin: EP0419696A1] The known reheat type exhaust gas boiler of the type that superheaters and reheaters are disposed in parallel in the most gas upstream portion of an exhaust gas boiler main body, is improved in order to simplify the structure and to achieve recovery of heat from the exhaust gas more effectively. The superheaters and reheaters are divided into a plurality of stages. A high-temperature side superheater (2) and a high-temperature side reheater (3) are disposed in parallel in the most upstream portion of the gas flow. A low-temperature side reheater (5) is disposed on the gas downstream side of the high-temperature side superheater (2), while a low-temperature side superheater (4) is disposed on the gas downstream side of the high-temperature side reheater (3). The high-temperature side superheater and the high-temperature side reheater are formed so as to have an identical heat transfer tube outer diameter, an identical tube pitch in the widthwise direction of a flue, an identical tube pitch in the direction of the gas flow and an identical number of tube rows in the direction of the gas flow. Likewise, the low-temperature side reheater and the low-temperature side superheater are formed so as to have an identical heat transfer tube outer diameter, an identical tube pitch in the widthwise direction of the flue, an identical tube pitch in the direction of the gas flow and an identical number of tube rows in the direction of the gas flow.

IPC 1-7  
**F22G 7/14**; **F22B 1/18**

IPC 8 full level  
**F22B 1/18** (2006.01); **F22B 37/40** (2006.01); **F22G 7/14** (2006.01)

CPC (source: EP US)  
**F22B 1/1815** (2013.01 - EP US); **F22G 7/14** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE DE GB IT

DOCDB simple family (publication)  
**EP 0419696 A1 19910403**; **EP 0419696 B1 19921216**; JP 2516661 B2 19960724; JP H0233501 A 19900202; US 4944252 A 19900731

DOCDB simple family (application)  
**EP 89117784 A 19890926**; JP 18367788 A 19880725; US 41232389 A 19890925